

ABSTRACT

A safety belt retractor that includes a housing and a belt reel. A toothed ratchet wheel is coupled to the belt reel. The ratchet wheel is biased in the belt unwinding direction relative to the belt reel and includes a clearance that allows the belt reel to rotate relative to the ratchet wheel. A pawl is mounted on the belt reel and is configured to engage one of a ring of teeth secured to a housing in order to stop further draw out of the safety belt. A lever is pivotally mounted on the ratchet wheel. The lever is normally held out of engagement with an inner toothed arrangement by a resetting spring, but comes into blocking engagement with the inner toothed arrangement when rotary acceleration of the reel in the belt draw out direction exceeds a predetermined value.